FRONT END WEB DEVELOPMENT

Overview

Front End Web Development Associate of Applied Science Degree

Program Code: 10-201-5

For more information: wctc.edu/front-end-web-dev *(*https://www.wctc.edu/academics/programs-courses/programs/front-end-web-development/*)*

Creating interactive, inviting and functional web applications requires the skills of a web and software developer. Learn to develop software solutions using multiple programming languages, tools and frameworks. Apply design patterns, object-oriented analysis and SOLID principles to create robust and scalable applications. Explore web server administration and mobile application development.

The minimum required course grades and program grade point average (GPA) for students under this catalog are:

Core Courses = C
General Studies Courses = C-
Program GPA = 2.0

Build your degree along a career pathway. Start with a couple of courses or an entry-level credential to enter the job market in your area of interest, then continue with higher credentials on your educational path for job advancement and higher wages.

Career Pathway

1. IT Software Development Specialist 18
2. IT Mobile Programmer 27
3. Front End Web Development 63

Learning Outcomes
Program Outcomes

1. Design websites to meet client expectations.
2. Produce site(s) using content management systems (CMS).
3. Manage a project using user experience (UX) principles.
4. Communicate rationale.
5. Develop Project Documents.
6. Develop website(s).

Critical Life Skills

To help our students prepare for success in a workplace and society that is **increasingly global, multi-cultural, and collaborative,** all students are given opportunities to develop and demonstrate Critical Life Skills, both in and out of the classroom. The following Critical Life Skills are learning outcomes for WCTC students.

- **Communication:** Demonstrate appropriate communication.
- **Critical Thinking/Problem Solving:** Demonstrate critical thinking skills to analyze situations and solve problems.
- **Relationships:** Demonstrate effective interpersonal skills.
- **Self-management:** Demonstrate responsible and respectful behavior.

Required Courses

Listed below are the required courses for the program. To view the recommended sequence for taking courses click on the plan of study tab(s) above. Work with your Academic Advisor to design a program plan!

View your **Program Matrix** to find out when each course will be offered (term and time of day).

Code	Title	Credits
Core Courses		
104-102	Marketing Principles	3
152-129	PHP Web Development	3
152-143	WordPress Development	3
Approved Substitute: 152-139		
152-144	Integrated Web Development	3
152-149	Content Management Systems	3
152-168	JavaScript	3
Approved Substitute: 152-169		
152-179	JavaScript 2	4
201-110	Webpage Design I	3
201-116	Internship-Front End Web Dev	1
201-120	Webpage Design II	3
201-125	Introduction to WordPress	2
201-130	Usability & Project Management	3
201-133	User Interface Design	3
201-141	Professional Studies	2
201-147	Web Portfolio Development	2
204-119	Illustration and Image Editing	3
Approved Substitute: (204-121 AND 204-131)		
890-108	Employment Success	1
General Studies		
801-136	English Composition 1	3
Approved Substitute: 801-223		
801-196	Oral/Interpersonal Comm	3
Approved Substitute: 801-198		
804-133	Math & Logic	3
Approved Substitutes: 804-118 OR 804-116 OR 804-195 OR 804-198		
809-196	Intro to Sociology	3
809-195	Economics	3
Approved Substitutes: 809-143 OR 809-287		
809-199	Psychology of Human Relations	3
Approved Substitute: 809-198		
Total Credits		**63**

Full-time, Fall Start Plan

First Year

Fall Term 1		Credits
201-110	Webpage Design I	3
204-119	Illustration and Image Editing	3
804-133	Math & Logic	3
	Credits	**9**

Fall Term 2

104-102	Marketing Principles	3
201-120	Webpage Design II	3
801-136	English Composition 1	3
	Credits	**9**

Winter Interim

890-108	Employment Success	1
	Credits	**1**

Spring Term 1

201-133	User Interface Design	3
152-168	JavaScript	3
	Credits	**6**

Spring Term 2

152-129	PHP Web Development	3
201-125	Introduction to WordPress	2
	Credits	**5**

Second Year

Summer Interim

801-196	Oral/Interpersonal Comm	3
	Credits	**3**

Summer Term

201-116	Internship-Front End Web Dev	1
809-196	Intro to Sociology	3
	Credits	**4**

Fall Term 1

201-130	Usability & Project Management This course will run 16 weeks.	3
152-179	JavaScript 2 This course will run 16 weeks.	4
152-143	WordPress Development	3
	Credits	**10**

Fall Term 2

809-199	Psychology of Human Relations	3
	Credits	**3**

Spring Term 1

152-149	Content Management Systems This course will run 16 weeks.	3
201-147	Web Portfolio Development This course will run 16 weeks.	2
201-141	Professional Studies This course will run 16 weeks.	2
152-144	Integrated Web Development	3
	Credits	**10**

Spring Term 2

809-195	Economics	3
	Credits	**3**
	Total Credits	**63**